

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A coupling-in device for light from a plurality of light sources into an end of an optical waveguide,

wherein all of the light is coupled in via a coupling-in area that constitutes a single curved region that covers the entire end of the optical waveguide and which is curved in a focusing fashion, and

wherein the coupling-in device has a plurality of focusing optics for the light from the various light sources, the focusing optics and the coupling-in area being produced in one single piece, the coupling-in area being surrounded by a frame in which the focusing optics are integrated, and

wherein the coupling-in area, the frame, and the focusing optics together define a cavity between the coupling-in area and the focusing optics, and the coupling-in area is an inner surface adjoining the cavity.

2. (Previously Presented) The coupling-in device as claimed in claim 1, wherein a focusing optic is formed for each light source.

3. (Canceled).

4. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the geometry of the coupling-in area and the arrangement of the focusing optics are co-ordinated with the respective light source and the diameter of the optical waveguide.

5. (Canceled).

6. (Previously Presented) The coupling-in device as claimed in claim 4, wherein the focusing optics are spaced apart from the coupling-in area.

7. (Canceled).

8. (Previously Presented) The coupling-in device as claimed in claim 1, wherein said coupling-in device is produced from transparent plastic in an injection molding method.

9. (Previously Presented) The coupling-in device as claimed in claim 1, wherein LEDs arranged directly on the focusing optics are used as light sources.

10. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the geometry of the coupling-in device and the arrangement of the light sources are co-ordinated with one another in such a way as to minimize the losses occurring between emission of the light and entry into the actual optical waveguide.

11. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the coupling-in device is provided with a stem.

12. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the coupling-in area and/or focusing optics are arranged in circle-like fashion.

13. (Previously Presented) The coupling-in device as claimed in claim 11, wherein the coupling-in area and/or focusing optics are arranged around the end of the stem.

14. (Previously Presented) The coupling-in device as claimed in claim 11, wherein the diameter of the stem corresponds to the diameter of an optical waveguide which is attached to the stem.

15. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the coupling-in area, the frame, and the focusing optics define a continuous perimeter of the cavity.

16. (New) The coupling-in device as claimed in claim 1, wherein the coupling-in area and/or focussing optics are arranged in circle- or sphere-segment-like fashion around the end of the optical waveguide.